

**Nomination for Waters
Important to Anadromous Fish**

MAR 08 1999

AWC Volume SE SC SW W AR IN USGS Quad Cordova B-1

REGION II
HABITAT AND RESTORATION
DIVISION

Anadromous Water Catalog Number of Waterway 200-20-10110-2031-3032-4037

Name of Waterway _____ USGS name _____ Local name _____

4037-
5026

Addition ☒ Deletion _____ Correction _____ Backup Information _____

For Office Use

| | |
|--|-----------------------------------|
| Nomination # <u>99 132</u> | <u>[Signature]</u> <u>2/17/00</u> |
| Revision Year: <u>00</u> | Regional Supervisor Date |
| Revision to: Atlas _____ Catalog _____ | <u>[Signature]</u> <u>4/5/99</u> |
| Both <u>X</u> | <u>[Signature]</u> <u>5/8/00</u> |
| Revision Code: <u>A-2</u> | Drafted Date |

OBSERVATION INFORMATION

| Species | Date(s) Observed | Spawning | Rearing | Migration | Anadromous |
|-------------|------------------|----------|---------|-----------|------------|
| Coho Salmon | 8/26/98 | | ✓ | | ✓ |
| | | | | | |
| | | | | | |
| | | | | | |

IMPORTANT: Provide all supporting documentation that this water body is important for the spawning, rearing or migration of anadromous fish, including: number of fish and life stages observed; sampling methods, sampling duration and area sampled; copies of field notes; etc. Attach a copy of a map showing location of mouth and observed upper extent of each species, as well as any other information such as: specific stream reaches observed as spawning or rearing habitat; locations, types, and heights of any barriers; etc.

Comments: Fish observed during Habitat and Restoration Division fish habitat survey. See Attached data form for details. (3-B-6 and 3-B-7)

Name of Observer (please print) Michael Wiedner
 Date: 3/5/99 Signature: [Signature]
 Address: 333 Raspberry Road
Anchorage, AK 99518

This certifies that in my best professional judgement and belief the above information is evidence that this waterbody should be included in or deleted from the Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes per AS 16.05.870.

Signature of Area Biologist: _____

Rev. 7/93

Rev. 8/23/98

SURVEY AREA: CM

STATION NO: 3-3-6 DATE: 8/26/90 TIME: 1500

OBSERVERS: RJ Mh TEAM: A B STREAM NO: _____

GPS COORDINATES: Lat. 60° 22' 30" Long. 149° 13' 6"

WEATHER: CLEAR PRT. CLDY. CLOUDY

TEMP: AIR _____ WATER 45°F

STREAM STAGE: HIGH MEDIUM LOW

PRECIP: TODAY 1-5 YESTERDAY 5 THIS WEEK 5

STREAM GRADIENT: 41

WATER CLARITY: CLEAR STAINED TURBID MUDDY MURKY

SUBSTRATE COMPOSITION (%): MUD SAND GRAVEL COBBLE BLDR/B-ROCK

100%

STREAM DIMENSIONS (ft): WIDTH 10 DEPTH, LEFT BANK 0 DEPTH, RIGHT BANK 0 DEPTH, MID-CHANNEL 0

VELOCITY: None 0 Slow 0-1 Medium 1-3 Fast 3+

MEASURED VELOCITY: _____

RIPARIAN VEGETATION (WITHIN 66'): Liverwort
SP, Hm, SB, R, Moss, Sk Cab, Fern

CHANNEL DIAGRAM (INCLUDE BANK & STREAM FEATURES, VEGETATION):

CONDUCTIVITY: ✓ μ mhos

[illegible]

ROLL NO. _____ FRAME NOS. _____

CIRCLE DOMINANT CHANNEL TYPE:

| Dominant Bed Material | A | B | C | D | DA | E | F | G |
|-----------------------|----------|----------|------|------|---------|------|------|----------|
| 1 BEDROCK | | | | | | | | |
| 2 BOUNDER | | | | | | | | |
| 3 COBBLE | | | | | | | | |
| 4 GRAVEL | | | | | | | | |
| 5 SAND | | | | | | | | |
| 6 SILT/CLAY | | | | | | | | |
| ENTRH. | <1.4 | 1.4-2.2 | >2.2 | N/A | >2.2 | >2.2 | <1.4 | <1.4 |
| SIN. | <1.2 | >1.2 | >1.4 | <1.1 | 1.1-1.6 | >1.5 | >1.4 | >1.2 |
| W/D | <12 | >12 | >12 | >40 | <40 | <12 | >12 | <12 |
| SLOPE | .04-.099 | .02-.039 | <.02 | <.02 | <.006 | <.02 | <.02 | .02-.039 |

| DOMINANT SLOPE RANGE | BANKFULL STAGE | | | | | | | |
|----------------------|----------------|------|-----|-----|-------|-----|-----|------|
| | A | B | C | D | DA | E | F | G |
| | 4-10% | 2-4% | <2% | <4% | <.05% | <2% | <2% | 2-4% |

| CROSS-SECTION | A | B | C | D | DA | E | F | G |
|---------------|---|---|---|---|----|---|---|---|
| | | | | | | | | |

| PLAN VIEW | Aa+ | A | B | C | D | DA | E | F | G |
|-----------|-----|---|---|---|---|----|---|---|---|
| | | | | | | | | | |

| STREAM TYPES | Aa+ | A | B | C | D | DA | E | F | G |
|--------------|-----|---|---|---|---|----|---|---|---|
| | | | | | | | | | |

FISH SAMPLING GEAR: _____ TIME: _____ AREA: _____ EFFIC: _____ %

CONDUCTIVITY: _____ μ mhos

| | | | | | | | | |
|-------|-----------------------------|--|--|--|--|--|--|--|
| CO | 10Y SEEN FROM HERE TO 3-B-6 | | | | | | | |
| K | FF MALFUNCTION | | | | | | | |
| S | | | | | | | | |
| P | | | | | | | | |
| CH | | | | | | | | |
| DV | | | | | | | | |
| RB/SH | | | | | | | | |
| CT | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

WILDLIFE OBSERVATIONS:

FISH HABITAT SURVEY FORM

Rev. 8/23/98

SURVEY AREA: CMSTATION NO: 3-B-7DATE: 8/26/98TIME: 1540OBSERVERS: MW, RJTEAM: A B

STREAM NO: _____

GPS COORDINATES: Lat. 60°22.845'Long. 144°13.387'WEATHER: BU ERROR

STREAM STAGE: _____

PRECIP: _____

CLEAR

HIGH

TODAY Y

PRT. CLDY.

MEDIUM

YESTERDAY Y

CLOUDY

LOW

THIS WEEK Y

TEMP: AIR _____

WATER _____

STREAM GRADIENT: 41

WATER CLARITY: _____

SUBSTRATE COMPOSITION (%):

STREAM DIMENSIONS (ft):

CLEAR

MUD

WIDTH _____

STAINED

SAND

20

DEPTH, LEFT BANK _____

TURBID

GRAVEL

80

DEPTH, RIGHT BANK _____

MUDDY

COBBLE

DEPTH, MID-CHANNEL _____

MURKY

BLDR/B-ROCK

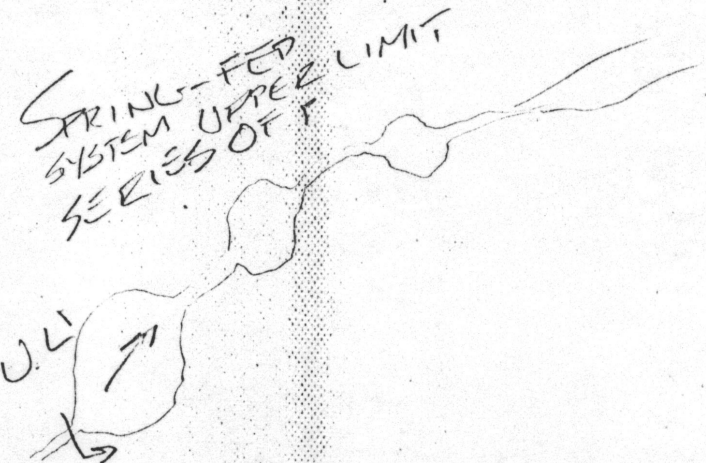
100%

VELOCITY: None Slow Medium Fast
fps 0 0-1 1-3 3+

MEASURED VELOCITY: _____

RIPARIAN VEGETATION (WITHIN 66'):

CHANNEL DIAGRAM (INCLUDE BANK & STREAM FEATURES, VEGETATION):



UPPER LIMIT OF ANADROMOUS FISH DISTRIBUTION: _____

DEFINITE

INDEFINITE

DESCRIBE: STREAM GRADUALLY GROWS UPPER

STRETCH. WILL BEY.

SEASONALLY

ROLL NO. _____

FRAME NOS. _____

